

Work Order ID 62949



Page 1

Thursday, October 14, 2010 12:34:41 PM

Item ID: D3439-101

Accept



Setup Start



Revision ID:

Stop



Item Name: Mirror Assembly 8"

Start Date: 10/14/2010 Start Qty: 30.00



Cust Item ID:

Required Date: 10/22/2010 Req'd Qty: 30.00

Customer:

Reference:

Approvals: Process Plan: Date: 10-10-14 Tooling: Date:
QC: Date: SPC (Y/N): Date:

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3439	Rev B								

100

Purchasing
Purchasing
PURCHASING
Memo
Issue P/O: 12757
For Grote Mirror P/N: 12183
Possible Supplier: UAP/NAPA
Material release note is required

0.00

0.00

CX 10/10/18 (30)

110

Packaging
Packaging
Receive & Inspect for Damage & Mat'l Certs
Memo
Ensure Material Release Note is attached

0.00

0.00

P 10/14/22 (30)

115

QC
Quality Control
QC6- Inspect dimensions to drawing
Memo

0.00

0.00

counts
X30

8/10/10/29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 2

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Setup Start

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Start Date: 10/14/2010 Start Qty: 30.00

Cust Item ID:

Required Date: 10/22/2010 Req'd Qty: 30.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

0.00



Small Fab

Small Fab

Memo

0.00

1- Discard Hardware.

2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg.

3- Plug drain holes with Sikaflex.

Ensure that mirror adheres to housing.

Pick:

Qty Part Number Description Batch

A/RN/A Sikaflex-241/-291

Sikaflex expiry date

2011/01

115114

130

0.00



QC

QC5- Inspect part completeness to step on W/O

Memo

0.00

Quality Control

8/10/10/05

30X

m/l 10/14/04

counter

130

W/O:		WORK ORDER CHANGES					
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Item ID:	D3439-101	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Mirror Assembly 8"					
Start Date:	10/14/2010	Start Qty:	30.00			
Required Date:	10/22/2010	Req'd Qty:	30.00			
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:
	QC:	Date:	SPC (Y/N):	Date:

Run	Start	
	Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140 	Identify as per dwg & Stock Location: <u>226</u>	0.00							
Packaging	Memo	0.00							
Packaging									
150 	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

10/11/10 55 (302)

10/11/08 MF 10-11-5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Picklist Print

Thursday, October 14, 2010 12:34:45 PM

Page 1

Work Order ID: 62949

Parent Item: D3439-101

Parent Item Name: Mirror Assembly 8"

Start Date: 10/14/2010





Required Date: 10/22/2010

Start Qty: 30.00

Required Qty: 30.00

Comments: IPP A 05.07.20 New issue KJ/JLM
per dwg RevB DD verfec

IPP Rev:B 10.09.08

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
12183  GROTE MIRROR		Purchased	No			120	Each	1.0000	1	30			
<div> <div>Location</div> <div>ST</div> <div>61847</div> </div> <div> <div>Loc Qty</div> <div>1</div> <div>1</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>													
D3015-3  Locknut		Manufactured	No			120	Each	89.0000	1	30			
<div> <div>Location</div> <div>ST033</div> <div>43758</div> <div>56701</div> <div>60287 ✓</div> </div> <div> <div>Loc Qty</div> <div>89</div> <div>26</div> <div>3</div> <div>60</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> <div></div> <div></div> </div>													
D3439-3  Stud		Manufactured	No			120	Each	101.0000	1	30			
<div> <div>Location</div> <div>ST054</div> <div>61866 ✓</div> </div> <div> <div>Loc Qty</div> <div>101</div> <div>101</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>													
NAS1149C0563R  Washer		Purchased	No			120	Each	200.0000	1	30			
<div> <div>Location</div> <div>ST297</div> <div>115768 ✓</div> </div> <div> <div>Loc Qty</div> <div>200</div> <div>200</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>													

Handwritten: 10/11/02 (30)

Handwritten: m-l 10/11/02

Handwritten: 30X m-l 10/11/02

Handwritten: 30X m-l 10/11/02

Handwritten: 30X

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SHOP COPY

RETURN TO

ENGINEERING

UNCONTROLLED COPY

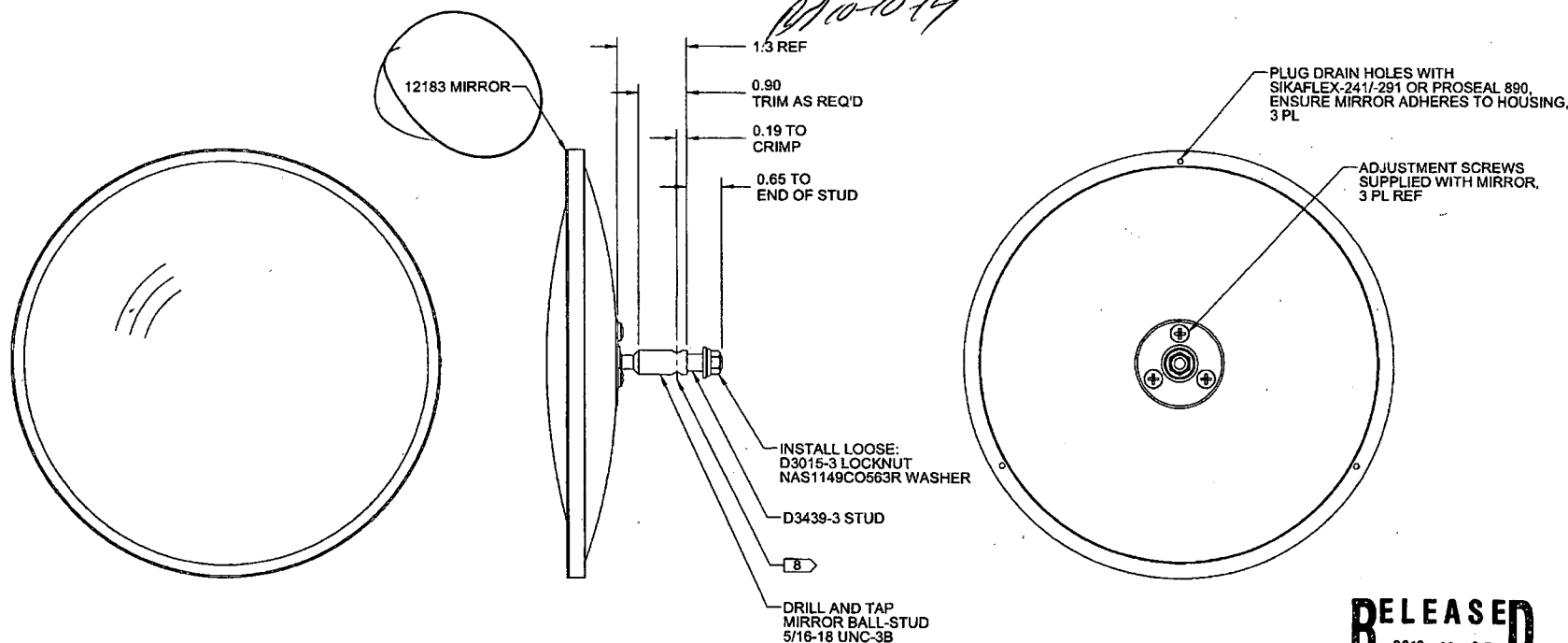
SUBJECT TO AGREEMENT

WORK CENTER

NO. 62949

10-10-14

ITEM	QTY	P/N	DESCRIPTION
1	X	D3439-101	MIRROR ASSEMBLY, 8"
2	1	12183	MIRROR 8" (GROTE)
3	1	D3015-3	LOCKNUT
4	1	D3439-3	STUD
5	1	NAS1149CO563R	WASHER (OR AN960JD516)



D3439-101 MIRROR ASSEMBLY

NOTES:

1) MATERIAL: MIRROR= 8" ROUND CONVEX MIRROR W/ STAINLESS STEEL CASE
CENTER-MOUNT BALL-STUD W/ 1/4-20 X 1" DEEP FEMALE THREAD
GROTE INDUSTRIES, 2600 LANIER DRIVE, MADISON, INDIANA 47250

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3439-101" USING REMOVEABLE TAG

7) WEIGHT: 1.18 lbs

8) TO INSTALL D3439-3 STUD:

- APPLY LOCKTITE 262 TO THREADS BEING INSTALLED INTO MIRROR BALL-STUD
- THREAD D3439-3 STUD INTO MIRROR BALL-STUD
- CRIMP MIRROR BALL-STUD ON OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
- CRIMP TO DEPTH OF 0.015-0.030 USING R0.125

RELEASED
2010-09-07

B	REDRAW, ADD -3 (WAS PURCHASED/TRIMMED BOLT), RMV LPS	CP	10.07.20
A	NEW ISSUE	CP	05.05.27
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.07.20		

DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3439

TITLE MIRROR ASSEMBLY

REV. B SHEET 1 OF 2

SCALE NTS

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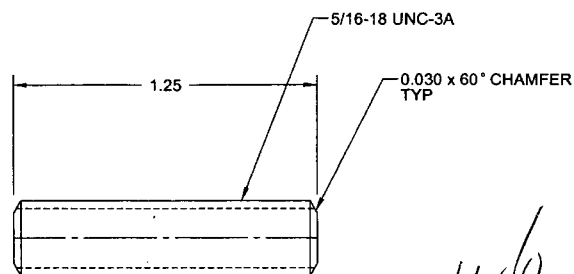
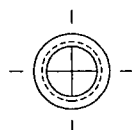
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Wb 62949

D3439-3 STUD

NOTES:

- 1) MATERIAL: AISI 303 STAINLESS STEEL ROUND BAR PER ASTM A582
REF DART SPEC M303R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.03 lbs

RELEASED
2010-09-07
MP

DESIGN	<i>GP</i>	DART AEROSPACE LTD	
DRAWN	<i>GP</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D3439	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	MIRROR ASSEMBLY	NTS
DATE	10.07.20	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO12757**

Purchase Order Date 10/18/10

PO Print Date 10/18/10

Page Number 1 of 1

Order From :

VC-UAP001

UAP HAWKESBURY INC. #074
514 MAIN STREET WEST
HAWKESBURY, ON K6A 2J2
CA

FAKED
& receipts

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	613 632 8575	Requisition Nbr	
Vendor Fax	613 632 1539	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	12183	GROTE MIRROR	10/22/10 Yes	30.00 Each	Yours ppd	\$20.9000	\$627.00

Special Inst: AS PER DWG D3439 REV. B
B62949
UAP/NAPA P/N: 12183

PO Total: \$627.00

CERTIFICATE OF CONFORMITY
REQD UPON DELIVERY

Change Nbr: 1

Change Date: 10/18/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



HAWKESSBURY AUTO PARTS INC 55808874
514 MAIN STREET WEST
HAWKESSBURY, ONT. N5A 2J2
TEL: 632-8578 FAX: 632-1539

851597595RT0001
DANGEROUS GOODS PERMIT
EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES.
DATE D'EXPIRATION:

EMERGENCY TELEPHONE NUMBER 24 HOURS
CANUTEC 613-996-6666
NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES
CANUTEC 613-996-6666

ACCT # N° COMPTE	SOLD TO / VENDU À	DATE	TIME HEURE	STORE # N° MAGASIN	EMP # N° EMPL.	INVOICE NO. N° FACTURE
1301	BART AIRSPACE LTD 1270 ABERDEEN STREET HAWKESSBURY, ONTARIO N5A 1K7	10/12/10	14:04	060004074	22	237440
SR #		PURCHASE ORDER # N° BON DE COMMANDE				
AD		2757				
SA		TAX EXEMPTION: EXEMPTION DE TAXE: 5125-5207				
		TERMS: NET 30 DAYS CHARGE SALE				
		CONDITIONS:				
		DELIVERY: LIVRAISON:				

PART NUMBER / N° PIÈCE	LN	DESCRIPTION	QUANTITY QUANTITÉ	PRICE / PRIX	NET	TOTAL
12183 ✓ WHL DIRECT CONNECT		GRD BROTE MIRROR	30.00		20.900	627.00 T1
<i>Pure</i>						
<i>8/10/10/79</i>						

REFUNDED BY _____
VERIFIED BY _____

Subtotal 627.00
Tax 13% ON HARMONIZE 81.51
Tax 0% 0.00

SIGNATURE

ALL GOODS RETURNED MUST BE ACCOMPANIED BY THIS INVOICE
TE MARCHANDISE RETOURNÉE DOIT ÊTRE ACCOMPAGNÉE DE CETTE FACTURE

TOTAL ----- CHARGE SALE 708.51